

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Agrimonia eupatoria*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1-BETA-2-ALPHA-3-BETA-19-ALPHA-TETRAHYDROXY-URS-12-EN-28-OIC-ACID	Root	240	240		
0	1-BETA-2-BETA-3-BETA-19-ALPHA-TETRAHYDROXY-URS-12-EN-28-OIC-ACID	Root	15	15		
1	AFZELIN	Shoot	16.2	16.2	-1	
0	AGRIMOL-A	Plant	--	--		
0	AGRIMOL-B	Plant	--	--		
0	AGRIMOL-C	Plant	--	--		
0	AGRIMOL-D	Plant	--	--		
0	AGRIMONOLIDE	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	AGRIMOPHOL	Bud	7900	7900		
10	ALPHA-AMYRIN	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	AMYRIN	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.
101	APIGENIN	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.
0	APIGENIN-7-O-BETA-D-GLUCOSIDE	Plant	--	--		Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> , Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	APIGENIN-GLUCOSIDE	Plant	--	--		
7	ASTRAGALIN	Shoot	22.5	23.6		
47	BETA-SITOSTEROL	Shoot	25	25	-0.9699561923388506	
102	CAFFEIC-ACID	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
43	CATECHIN	Plant	26000	26000		Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
0	CATECHIN-TANNIN	Leaf	--	--		Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
0	CERYL-ALCOHOL	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
77	CHLOROGENIC-ACID	Leaf	--	--		Wealth of India.
4	COSMOSIIN	Shoot	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	COUMARINS	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
3	CYNAROSIDE	Shoot	--	--		
51	ELLAGIC-ACID	Leaf	--	--		Wealth of India.
0	ELLAGIN-TANNIN	Leaf	--	--		
0	ELLAGITANNINS	Shoot	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	EO	Plant	--	2000	-0.5881321355977028	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
0	EUSCAPHIC-ACID	Shoot	--	15		
0	EUSCAPHIC-ACID-28-BETA-D-GLUCOPYRANOSYL-ESTER	Shoot	--	15		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FAT	Seed	350000	350000	0.44568382272451457	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
61	FERULIC-ACID	Plant	--	--		
2	GALLO-TANNIN	Root	--	--		
0	GALLOTANNINS	Shoot	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
8	GENTISIC-ACID	Plant	--	--		
0	HOMOPROTOCATECHUIC-ACID	Plant	--	--		
30	HYPEROSIDE	Flower	3700	3700	-0.4084728900337644	
0	ISOPULEGOLE	Leaf Essent. Oil	--	--		Jim Duke's personal files.
0	ISOPULEGOLE-ACETATE	Leaf Essent. Oil	--	--		Jim Duke's personal files.
22	ISOQUERCITRIN	Inflorescence	2100	2100		
5	KAEMPFERIDE	Shoot	18.7	19		
0	KAEMPFERIDE-3-O-ALPHA-RHAMNOSIDE	Shoot	10.6	10.6		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
75	KAEMPFEROL	Shoot	23.6	24	-0.33987201397721156	
0	KAEMPFEROL-3-O-GLUCOSIDE	Shoot	--	22		
0	KAEMPFEROL-3-O-RUTINOSIDE	Shoot	--	20		
0	KAEMPFEROL-3-O-RUTINOSIDE	Shoot	20	25.5		
2	KAEMPFEROL-3-RHAMNOSIDE	Shoot	16.3	16		
0	LEUCOANTHOCYANINS	Plant	--	--		Wealth of India.
78	LUTEOLIN	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.
7	LUTEOLIN-7-GLUCOSIDE	Plant	--	--		Wealth of India.
0	LUTEOLIN-GLUCOSIDE	Plant	--	--		
0	N-1-N-5-N-10-TRI-TRANS-4-COUMAROYL-SPERMIDINE	Flower	--	--		
0	NEOISOPULEGOLE	Leaf Essent. Oil	--	--		Jim Duke's personal files.
2	NICOTINAMIDE	Leaf	100	300		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
25	P-COUMARIC-ACID	Plant	--	--		
13	P-HYDROXY-BENZOIC-ACID	Plant	--	--		
13	PALMITIC-ACID	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	POLYSACCHARIDES	Shoot	195000	200000		
43	PROTOCATECHUIC-ACID	Plant	--	--		
176	QUERCETIN	Shoot	--	--		
176	QUERCETIN	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
0	QUERCETIN-3-O-GALACTOSIDE	Plant	--	--		Wealth of India.
0	QUERCETIN-3-RHAMNOSIDE	Plant	--	--		Wealth of India.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	QUERCETIN-GLUCOSIDE	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
44	QUERCITRIN	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
44	QUERCITRIN	Flower	--	--		
0	ROSAMULTIN	Root	250	250		
87	RUTIN	Leaf	--	--		Wealth of India.
87	RUTIN	Inflorescence	1700	1700		
34	SALICYLIC-ACID	Plant	--	--		
1	SILICIC-ACID	Exocarp	120000	120000		
8	STEARIC-ACID	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
35	TANNIN	Bark	--	52800	-0.7722965656367389	Wealth of India.
35	TANNIN	Leaf	50000	80000	-0.37271411437234203	
35	TANNIN	Shoot	30000	80000	1.6607008042164362	
31	THIAMIN	Leaf	2.4	2.4	-1.2305530670420655	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
0	TORMENTIC-ACID-28-BETA-D-GLUCOPYRANOSYL-ESTER	Shoot	18.7	19		
0	TRITERPENES	Plant	15000	15000		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
89	URSOLIC-ACID	Plant	6000	6000	-0.5090810752075852	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
24	VANILLIC-ACID	Plant	--	--		
0	VIT-K	Plant	--	--		Wealth of India.